

SAFETY ORGANIZATIONS

THIS FILTER HAS BEEN FORMALLY RECOGNIZED, CERTIFIED OR APPROVED BY THE LISTED AGENCY. THEREFORE, ALL TEST REQUIREMENTS SPECIFIED IN THE LATEST REVISION OF THE FOLLOWING AGENCY STANDARDS HAVE BEEN MET:

UL RECOGNIZED: UL 1283
CSA CERTIFIED: CSA C22.2 No. 8
VDE APPROVED: EN 60939-2

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 6 AMP/40°C 120/250 VAC, 50-60Hz
6 AMP/40°C, 250 VAC, 50-60Hz
6 AMP/40°C, 250 VDC

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 0.75mA @ 120V 60Hz
1.25mA @ 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I_r .

IN AN AMBIENT, T_a , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_o , IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{85 - T_a}{45}}$$

RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +85°C
HUMIDITY: 21 DAYS @ 40°C 95% RH.
CURRENT OVERLOAD TEST: 6 TIMES I_r FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE: 1.0 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.0199 μ F±20%
LINE TO LINE: 1.005 μ F±20%
DISCHARGE RESISTOR: 330K Ω
L/C AND L/L I.R.
NO DISCHARGE RESISTOR: 6000M Ω (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 1500 VAC FOR 1 MINUTE
LINE TO LINE: 1450 VDC FOR 1 MINUTE

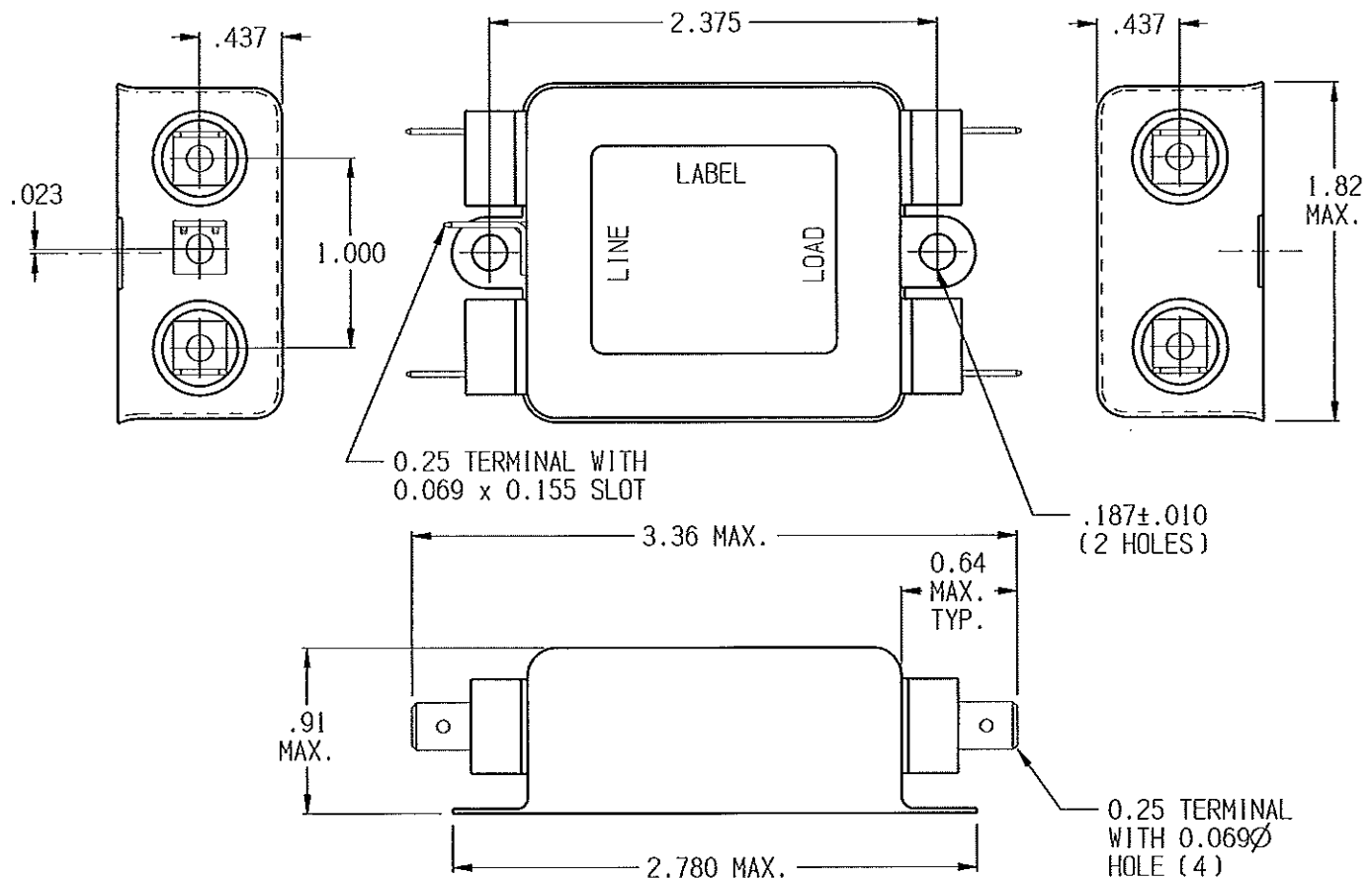
FILTER APPROVAL:

THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

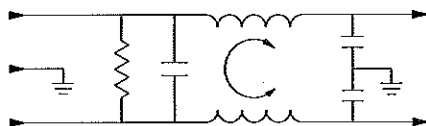
CUSTOMER DRAWING

CATALOG # 6VSB1

ECN#	APPRVD	DATE
10-006843	PJO	07APR10



ELECTRICAL SCHEMATIC



50 Ω - 50 Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.01	.03	.05	.1	.15	.5	1.0	2.0	5.0	10.0	20.0	30.0
COMMON dB	-	3	8	14	19	37	47	51	58	66	59	49
DIFF. dB	5	14	20	25	29	40	41	57	66	78	56	62

PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

UNLESS OTHERWISE SPECIFIED
TOLERANCE TO BE ±0.025
MATERIAL & FINISH: AS SUPPLIED

NOTES:



Tyco Electronics

CORCON PRODUCTS, 620 S. BUTTERFIELD RD., HUNDELEIN, IL 60060

POWER LINE FILTER

TYCO ELECTRONICS PART NO. 1-1609034-2

SCALE: 1:1	DATE: 23NOV09	DRAWING NUMBER: 6VSB1	REV. A
DRW. BY: LJO	DRG: PJO		

6VSB1-A.cld

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